

FORM PTO-1449 U.S. DEPT. OF COMMERCE Patent & Trademark Office		ATTY. DOCKET NO.  2558 US	SERIAL NO.  10/732,755				
LIST OF DOCUMENTS CITED BY APPLICANT  FEB 22 2005 (Use several sheets if necessary)		APPLICANT  Hong, et al.					
		FILING DATE  December 10, 2003	GROUP  1751				
		U.S. PATENT DOCUMENTS					
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
BPM	AA1	6,716,970	4/6/04	Hung, et al.	—	—	—
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	AD1						
	AE1						
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	AH1						
	AI1						
	AJ1						
	AK1						
	AL1						
	AM1						
FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	AN1						
	AO1						
	AP1						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR1						
	AS1						
	AT1						

EXAMINER	Brian P. Muir	DATE CONSIDERED	3/29/05
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Sheet 1 of 1

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BPM	AA1	6,306,835	10/23/01	Daly	—	—	—
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	AG1						
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<b>FOREIGN PATENT DOCUMENTS</b>							
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	AL1						
	AM1						
	AN1						
	AO1						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
BPM	AP1	Sionov, et al., "Adherence of Aspergillus Species to Soft Contact Lenses and Attempts to Inhibit the Adherence", <u>Mycoses</u> , vol. 44, page 464-471, 2001 <i>No Month Given</i>					
	AQ1						
	AR1						
	AS1						

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		<b>U.S. PATENT DOCUMENTS</b>					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BPM	AA1	2002/0018732	2/14/02	Hung, et al.	—	—	—
	AB1						
	AC1						
	AD1						
	AE1						
	AF1						
	AG1						
	AH1						
	AI1						
	AJ1						
<b>FOREIGN PATENT DOCUMENTS</b>							
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BPM	AK1	DE 198 50 088	6/26/99	Germany	—	—	X
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	AM1						
	AN1						
	AO1						
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
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	AQ1						
	AR1						
	AS1						

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		<b>FILING DATE</b> <b>December 10, 2003</b>	<b>GROUP</b> <b>NYA</b>				
		<b>U.S. PATENT DOCUMENTS</b>					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BPM	AA1	4,701,444	10/20/87	Segal, et al.	—	—	—
	AB1	4,826,826	5/2/89	Conti	—	—	—
	AC1	5,015,632	5/14/91	Nelson	—	—	—
	AD1	5,057,542	10/15/91	Leuba, et al.	—	—	—
	AE1	5,358,706	10/25/94	Marlin, et al.	—	—	—
	AF1	5,370,744	12/6/94	Chowhan, et al.	—	—	—
	AG1	5,407,919	4/18/95	Brode, et al.	—	—	—
	AH1	5,422,116	6/6/95	Yen, et al.	—	—	—
	AI1	5,597,811	1/28/97	Gruber	—	—	—
BPM	AJ1	5,621,088	4/15/97	Gruber	—	—	—
<b>FOREIGN PATENT DOCUMENTS</b>							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
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BPM	AK1	0 356 060	9/28/94	Europe	—	—	X
	AL1	0 737 692	1/16/02	Europe	—	—	X
	AM1	JP 63-193999	8/11/88	Japan	—	—	X
	AN1	JP 56-94322	7/30/81	Japan	—	—	X
BPM	AO1	JP 59-106409	6/20/84	Japan	—	—	X
<b>OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)</b>							
BPM	AP1	Tokura, et al., "Studies on Chitin VIII. Some Properties of Water Soluble Chitin Derivatives", <u>Polymer Journal</u> , Vol. 15, No. 6, 1983, pages 485-489					
BPM	AQ1	Nishimura, et al, "Bioactive Chitin Derivatives. Activation of Mouse-Peritoneal Macrophages by O-(Carboxymethyl) Chitins", <u>Carbohydrate Research</u> , Vol. 146, 1986, pages 251-258					
BPM	AR1	Hjerde, et al., "Chemical Composition of O-(Carboxymethyl)-Chibits in Relation to Lysozyme Degradation Rates", <u>Carbohydrate Polymers</u> , Vol. 34, 1997, pages 131-139					
BPM	AS1	Stokke, et al., "Sequence Specificities for Lysozyme Depolymerization of Partially N-acetylated Chitosans", <u>Can. J. Chem.</u> , Vol. 75, 1995, pages 1972-1981					

EXAMINER	<i>Brian P. Marz</i>	DATE CONSIDERED	<i>3/29/05</i>
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U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
BPM	AA2	5,645,827	7/8/97	Marlin, et al.	—	—	—
	AB2	5,747,475	5/5/98	Nordquist, et al.	—	—	—
	AC2	5,773,021	6/30/98	Gurtler, et al.	—	—	—
	AD2	5,858,937	1/12/99	Richard, et al.	—	—	—
	AE2	5,876,744	3/2/99	Valle, et al	—	—	—
	AF2	5,891,861	4/6/99	Platt	—	—	—
	AG2	5,948,401	9/7/99	Donabedian, et al.	—	—	—
	AH2	6,037,333	3/14/00	Panjwani	—	—	—
	AI2	6,046,176	4/4/00	Segal, et al.	—	—	—
BPM	AJ2	2002/0177577	11/28/02	Hung, et al.	—	—	—
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES      NO
BPM	AK2	JP 63-9611	4/27/88	Japan	—	—	X
BPM	AL2	JP 7-223966	8/22/95	Japan	—	—	X
BPM	AM2	WO 94/13774	6/23/94	WIPO	—	—	X
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BPM	AN2	Dung, et al., "Water Soluble Derivatives Obtained by Controlled Chemical Modifications of Chitosan", <u>Carbohydrate Polymers</u> , Vol. 24, 1994, pages 209-214					
BPM	AO2	Nordtveit, et al., "Degradation of Fully Water-Soluble, Partially N-acetylated Chitosans with Lysozyme", <u>Carbohydrate Polymers</u> , Vol. 23, 1994, pages 253-260					
BPM	AP2	Kristiansen, et al., "Competitive Binding of Highly de-N-acetylated Chitosans and N,N'-diacetylchitobiose to Lysozyme from Chicken Egg White Studies by <sup>1</sup> H NMR Spectroscopy", <u>Carbohydrate Research</u> , Vol. 289, 1996, pages 143-150					
BPM	AQ2	Hayashi, et al., "Muramidase Catalyzed Hydrolysis of Glycol Chitin", <u>Agr. Biol. Chem.</u> , Vol. 28, No. 8, 1964, pages 517-523					
BPM	AR2	Bernkop-Schnurch, et al., "Chemically Modified Chitosans as Enzyme Inhibitors", <u>Advanced Drug Delivery Reviews</u> , Vol. 52, 2001, pages 127-137					
BPM	AS2	Yamada, et al., "A Convenient Synthesis of Glycolchitin, a Substrate of Lysozyme", <u>Carbohydrate Research</u> , Vol. 92, 1981, pages 160-162					

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	AE3						
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	AH3						
	AI3						
	AJ3						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES
BPM	AK3	WO 94/16743	8/4/94	WIPO	—	—	X
BPM	AL3	WO 95/09905	4/13/95	WIPO	—	—	X
BPM	AM3	WO 95/13097	5/18/95	WIPO	—	—	X
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BPM	AN3	Hayashi, et al., "The Enzyme-Substrate Complex of Lysozyme with Chitin Derivatives", <u>The Journal of Biochemistry</u> , Vol. 65, No. 3, 1969, pages 401-405					
BPM	AO3	Kurita, "Chemical Modification of Chitin", <u>Journal of Synthetic Organic Chemistry Japan</u> , Vol. 42, No. 6, 1984, pages 567-574 <u>NOT TRANSLATED</u>					
BPM	AP3	Senju, et al., "Studies of Chitin Part I On the Glycolation of Chitin and the Chemical Structure of Glycolated Chitin", <u>Journal of the Agricultural Chemical Society of Japan</u> , Vol. 23, No. 10, 1950, pages 432-437 <u>TRANSLATED</u>					
BPM	AQ3	Kumar, "An Internet Chitin and Chitosan Applied Research Resource", Chitin and Chitosan for Versatile Applications Homepage Maintained by M.N.V. Ravi Kumar, 11/22/00; pages 1-11					
BPM	AR3	Rotman, et al., "Effect of a Chitin Derivative in Combination With Cleaning and Preservation Solutions for Contact Lenses on Adherence of Fungi", <u>Mycoses</u> , 2003 Blackwell Publishing Ltd., Vol. 46, pages 90-95					
BPM	AS3	"Chitin", <u>The Merck Index</u> , Twelfth Edition, 1996, page 342					

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	AF4						
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BPM	AG4	WO 96/03973	2/15/96	WIPO			X
BPM	AH4	WO 97/06782	2/17/97	WIPO			X
BPM	AI4	WO 98/06438	2/19/98	WIPO			X
BPM	AJ4	WO 98/19708	5/14/98	WIPO			X
BPM	AK4	WO 99/01498	1/14/99	WIPO			X
BPM	AL4	WO 99/32158	7/1/99	WIPO			X
BPM	AM4	WO 00/14155	3/16/00	WIPO			X
BPM	AN4	WO 00/30609	6/2/00	WIPO			X
BPM	AO4	WO 00/60038	10/12/00	WIPO			X
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
BPM	AP4	"Chitin", <u>The Merck Index</u> , Thirteenth Edition, 2001, pages 353-354					
BPM	AQ4	"The Enzyme-substrate Complex in a Muramidase Catalyzed Reaction", <u>The Journal of Biochemistry</u> , Vol. 54, No. 5, (1963), pages 381-387					
BPM	AR4	"Studies on the Structure and Enzymatic Function of Lysozyme", <u>The Journal of Biochemistry</u> , Vol. 48, No. 3, (1960), pages 351-357					
BPM	AS4	"Chitosan as Tear Substitute: A Wetting Agent Endowed with Antimicrobial Efficacy", <u>Journal of Ocular Pharmacology and Therapeutics</u> , Vol. 16, No. 3, (2000), pages 261-270					

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BPM	AP4	"Topical Use of Chitosan in Ophthalmology: Tolerance Assessment and Evaluation of Precorneal Retention", <u>International Journal of Pharmaceutics</u> , Vo. 180 (1999), pages 185-193					
BPM	AQ4	"Biomaterials in Ophthalmic Drug Delivery", <u>Eur. Journal Pharm. Biopharm</u> , Vol. 42, No. 6, (1996), pages 358-374					
BPM	AR4	"Chitosan: A Unique Polysaccharide for Drug Delivery", <u>Drug Development in Industrial Pharmacy</u> , Vol. 24, No. 11, (1998), pages 979-993					
	AS4						

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